

WYCamp 6/7/01

PATENT

Attorney's Matter No. P0305

Receipt

#3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Art Unit: 2131

Conf. No.: 7386

Geoffrey B. Rhoads

Application No.: 09/776,021

Filed: February 2, 2001

For: STEGANOGRAPHIC MESSAGING  
THROUGH IMAGERY

Examiner:

Date: June 7, 2001

**CERTIFICATE OF MAILING**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on June 7, 2001, as First Class Mail in an envelope addressed to: OFFICE OF INITIAL PATENT EXAMINATION'S CUSTOMER SERVICE CENTER/ ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON D.C. 20231.

William Y. Conwell  
Attorney for Applicant

**REQUEST FOR CORRECTED FILING RECEIPT**

OFFICE OF INITIAL PATENT EXAMINATION'S  
CUSTOMER SERVICE CENTER  
ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, DC 20231

RECEIVED  
OCT 19 2001  
Group 2100

Please provide a corrected filing receipt in the following respect:

Under continuing data,

Please delete Lines 2 through 13 and add the following:

-- Which claims priority to 09/172,324 10/13/1998 PAT 6,064,737

Which claim priority to 08/637,531 4/25/1996 PAT 5,822,436

Application 08/637,531

Claims priority to 08/534,005 9/25/1995 PAT 5,832,119

And claims priority to 08/512,993 8/9/1995 ABN

And claims priority to 08/508,083 7/27/1995 PAT 5,841,978

And claims priority to 08/436,102 5/8/1995 PAT 5,748,783

And claims priority to PCT/US94/13366 11/16/1994

And claims priority to 08/327,426 10/21/1994 PAT 5,768,426

And claims priority to 08/215,289 3/17/1994 ABN

And claims priority to 08/154,866 11/18/1993 -- ABN

Enclosed is the following supporting documentation: Copy of the incorrect filing receipt with changes noted thereon, first page of the patent application, and application data sheet all reflecting the correct continuing data.

Respectfully submitted,

DIGIMARC CORPORATION

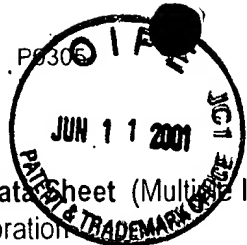
Date: June 7, 2001

19801 SW 72nd Avenue, Suite 100  
Tualatin, OR 97062  
Telephone: (503) 885-9699

By

William Y. Conwell  
Registration No. 31,943

#3



Application Data Sheet (Multiple Inventors with Representation, Continuity and Priority)  
Digimarc Corporation

### Inventor Information

Inventor One Given Name:: Geoffrey B.  
Family Name:: Rhoads  
Name Suffix::  
Postal Address Line One:: 2961 SW Turner Road  
Postal Address Line Two::  
City of Residence:: West Linn  
State or Province of Residence:: OR  
Country:: USA  
Postal or Zip Code:: 97068  
Citizenship Country:: USA

RECEIVED  
OCT 19 2001  
Group 2100

### Correspondence Information

Correspondence Customer Number:: 23735  
Addressee: William Y. Conwell  
Telephone One:: (503) 885-9699  
Fax:: (503) 885-9880  
Electronic Mail:: bconwell@digimarc.com

### Application Information

Title Line One:: STEGANOGRAPHIC MESSAGING THROUGH IMAGERY  
Total Drawing Sheets:: 28  
Application Type:: Utility  
Docket Number:: P0305

### Representative Information



23735

PATENT TRADEMARK OFFICE

Representative Customer Number:: 23735

**Continuity Information**

This application is a :: Division of  
> Application One:: 09/479,304  
Filing Date:: January 6, 2000  
Patent Number

Which:: Claims priority to  
>> Application Two:: 09/172,324  
Filing Date:: October 13, 1998  
Patent Number 6,064,737

Which:: Claims priority to  
>>> Application Three:: 08/637,531  
Filing Date:: April 25, 1996  
Patent Number 5,822,436

Application three:: Claims priority to  
> Application Four:: 08/534,005  
Filing Date:: September 25, 1995  
Patent Number 5,832,119

And:: Claims priority to  
>>> Application Five:: 08/512,993  
Filing Date:: August 9, 1995 (abandoned)

And:: Claims priority to  
>>> Application Six:: 08/508,083  
Filing Date:: July 27, 1995  
Patent Number:: 5,841,978

And:: Claims priority to  
>>> Application Seven:: 08/436,102  
Filing Date:: May 8, 1995  
Patent Number:: 5,748,783

And:: Claims priority to  
>>> Application Eight:: PCT/US94/13366  
Filing Date:: November 16, 1994

And:: Claims priority to  
>>> Application Nine:: 08/327,426  
Filing Date:: October 21, 1994  
Patent Number:: 5,768,426

And:: Claims priority to  
>>> Application Ten:: 08/215,289  
Filing Date:: March 17, 1994 (abandoned)

And:: Claims priority to  
>>> Application Eleven:: 08/154,866  
Filing Date:: November 18, 1993 (abandoned)



WYC:imp 2/1/01 P03

RECEIVED

OCT 19 2001

Group 2100

EXPRESS MAIL EL696454656US

STEGANOGRAPHIC MESSAGING THROUGH IMAGERY

RELATED APPLICATION DATA

5 This application is a division of application 09/479,304, filed January 6, 2000, which claims priority to application 09/172,324, filed October 13, 1998 (now U.S. Patent 6,064,737), which claims priority to application 08/637,531, filed April 25, 1996 (now U.S. Patent 5,822,436). Application 08/637,531 claims priority to applications 08/534,005, filed September 25, 1995 (now U.S. Patent 5,832,119); 08/512,993, filed August 9, 1995 (now abandoned); 08/508,083, filed July 27, 1995 (now U.S. Patent 5,841,978); 08/436,102, filed May 8, 1995 (now U.S. Patent 5,748,783); PCT/US94/13366, filed November 16, 1994; 08/327,426, filed October 21, 10 1994 (now U.S. Patent 5,768,426); 08/215,289, filed March 17, 1994 (now abandoned); and 08/154,866, filed November 18, 1993 (now abandoned). Priority under 35 USC Section 120 is claimed to each of these prior applications, and each is incorporated herein by reference.

TECHNICAL FIELD

15 The present invention relates to images (e.g., photographs, medical imagery, etc.), and more particularly relates to images that convey steganographic messages.

SUMMARY OF THE INVENTION

20 According to one aspect of the invention, a photograph is encoded with a steganographic message. This message serves to identify a corresponding record in a database, which database record details information relating to the photograph (e.g., the photographer's name).

According to another aspect, a photocollage is formed of plural photographic images, each encoded with a different steganographic message. Each steganographic message serves to associate a photograph with corresponding information (again, e.g., the corresponding photographer's name).

25 According to yet another aspect, medical imagery is embedded with a steganographic message that aids in authentication of the image.

The foregoing and other features and advantages will be more readily apparent from the following detailed description, which proceeds with reference to the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

30 FIG. 1 is a simple and classic depiction of a one dimensional digital signal which is discretized in both axes.

FIG. 2 is a general overview, with detailed description of steps, of the process of embedding an "imperceptible" identification signal onto another signal.

35 FIG. 3 is a step-wise description of how a suspected copy of an original is identified.



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/776,021	02/02/2001	2131	1302	P0305	28	44	5

CONFIRMATION NO. 7386

23735  
Digimarc Corporation  
19801 SW 72nd Avenue, Suite 250  
Tualatin, OR 97062

RECEIVED

OCT 19 2001

Group 2100

FILING RECEIPT



\*OC00000006011877\*

Date Mailed: 04/26/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Geoffrey B. Rhoads, West Linn, OR; ✓

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A DIV OF 09/479,304 01/06/2000  
WHICH IS A DIV OF 09/172,324 10/13/1998 PAT 6,064,737  
WHICH IS A DIV OF 08/637,531 04/25/1996 PAT 5,822,436  
THIS APPLICATION 09/776,021 08/637,531  
IS A DIV OF 08/534,005 09/25/1995 PAT 5,832,119  
AND A DIV OF 08/512,993 08/09/1995 ABN  
AND A DIV OF 08/508,083 07/27/1995 PAT 5,841,978  
AND A DIV OF 08/436,102 05/08/1995 PAT 5,748,783  
WHICH IS A 371 OF PCT/US94/13366 11/16/1994  
THIS APPLICATION 09/776,021  
AND IS A DIV OF 08/327,426 10/21/1994 PAT 5,768,426  
AND A DIV OF 08/215,289 03/17/1994 ABN  
AND A DIV OF 08/154,866 11/18/1993 ABN

## Foreign Applications

**FILE COPY**

## UNITED STATES PATENT AND TRADEMARK OFFICE

 COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
 www.uspto.gov

# 3

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/776,021	02/02/2001	Geoffrey B. Rhoads	P0305

CONFIRMATION NO. 7386

 23735  
 DIGIMARC CORPORATION  
 19801 SW 72ND AVENUE  
 SUITE 100  
 TUALATIN, OR 97062


Date Mailed: 10/09/2001

**RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT****Claims, Fees, Inventors and Continuity**

In response to your request for a corrected Filing Receipt, the Office is unable to comply with your request because:

- ☐ The total number of claims appearing on the Filing Receipt does not include multiple dependent claims. The total fee appearing on the Filing Receipt includes the cost of multiple dependent claims that were present at the time the application was filed.
- ☐ The filing fee is correct. It includes the surcharge under 37 CFR 1.16(e) for filing an oath/declaration or basic filing fee after the application filing date.
- ☐ The inventor information may be truncated if the family name consists of more than 50 characters (letters and spaces combined) and if the given name consists of more than 50 characters (letters and spaces combined). The inventor's residence allows for up to 40 characters (letters and spaces combined).
- ☐ The docket number allows a maximum of 25 characters.
- ☒ Continuity claimed under 35 USC 120 cannot be added to the Filing Receipt without supplying the relationship (i.e. continuation, divisional...).
- ☐ Foreign priority will appear on the Filing Receipt in the following order:  
**Country, Application number, Filing date.**
- ☐ The person signing on behalf of the deceased inventor will be reflected on your Filing Receipt as the legal representative.
- ☐ Only one character per space is allowed. Therefore, punctuation which is usually placed above or below a letter, such as an umlaut (..), cannot be included on the Filing Receipt.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, DC 20231

---

*A copy of this notice MUST be returned with the reply.*

R.B.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 3 - OFFICE COPY